

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF ARTS

GEOG 313: CLIMATOLOGY

STREAMS: B.A

TIME: 2 HOURS

DAY/DATE: MONDAY 29/03/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- **Answer question ONE and ANY OTHER TWO questions. Maps, sketches and diagrams should be used whenever they serve to illustrate an answer.**

1. Discuss any six factors that influence the world climatic regions. (30 marks)
 2. Describe the climate elements and associated process that are modelled in a General Circulation Model (GCM). (20 marks)
 3. (a) What is the relationship between ozone layer and greenhouse effects. (6 marks)
(b) Identify any seven indicators that the world's climate is changing. (14 marks)
 4. Discuss the effects and solutions to climate change to Africa. (20 marks)
 5. Discuss any FIVE climate-related environmental hazards and their impacts on low income economies. (20 marks)
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